

Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Please amend the claims as follows:

Claims:

1. (Currently Amended) A shear thinning ethylene/ α -olefin interpolymers, the interpolymers, having polymerized therein, ethylene, at least one α -olefin monomer, and, optionally, at least one diene monomer, and wherein the interpolymers is characterized by a Processing Rheology Ratio (PRR) of at least four, wherein
$$\text{PRR} = (\text{interpolymer Viscosity measured at } 190^{\circ}\text{C with a shear rate of } 0.1 \text{ rad/sec}) / (\text{interpolymer Viscosity measured at } 190^{\circ}\text{C with a shear rate of } 100 \text{ rad/sec}) + [3.82 - \text{interpolymer Mooney Viscosity (ML}_{1+4} \text{ @ } 125^{\circ}\text{C})] \times 0.3$$
$$\text{PRR} = (\text{interpolymer Viscosity measured at } 190^{\circ}\text{C with a shear rate of } 0.1 \text{ rad/sec}) / (\text{interpolymer Viscosity measured at } 190^{\circ}\text{C with a shear rate of } 100 \text{ rad/sec}) + [3.82 - \text{interpolymer Mooney Viscosity (ML}_{1+4} \text{ @ } 125^{\circ}\text{C})] \times 0.3.$$
2. (Previously Presented) The interpolymers of Claim 1, wherein the interpolymers has the following: (a) a weight ratio of ethylene to α -olefin within a range from 90:10 to 10:90, the α -olefin being a C₃₋₂₀ α -olefin, and (b) a diene monomer content within a range from 0 to 25 percent by weight, based on interpolymers weight.
3. (Previously Presented) The interpolymers of Claim 1, wherein the interpolymers has a Mooney Viscosity (ML₁₊₄ at 125°C) within a range from 0.5 to about 200.
4. (Original) The interpolymers of Claim 1, wherein the interpolymers has a molecular weight distribution (Mw/Mn) of at least 2.0.
5. (Previously Presented) The interpolymers of Claim 4, wherein the molecular weight distribution is at least 2.5, and the PRR is at least 8.

6. (Original) The interpolmer of Claim 1, wherein the interpolmer is an EAODM interpolmer with a molecular weight distribution of at least 2.3, a Mooney Viscosity (ML_{1+4} at 125°C) of at least 15 and a PRR of at least 20.

7. (Currently Amended) The interpolmer of Claim 1, wherein the interpolmer is an ethylene/octene-1 copolymer with a molecular weight distribution of at least 2.3, and a Mooney Viscosity (ML_{1+4} at 125°C) of at least 5.

8. (Currently Amended) The interpolmer of Claim 2, wherein the α -olefin ~~alpha-olefin~~ is selected from the group consisting of propylene, butene-1, pentene-1, 4-methyl-pentene-1, hexene-1, octene-1, styrene, p-methyl styrene and mixtures thereof, and the optional diene monomer is selected from the group consisting of 5-ethylidene-2-norbornene, 5-vinylidene-2-norbornene, 5-methylene-2-norbornene, 1,4-hexadiene, 1,3-pentadiene, 7-methyl-1,6-octadiene, 1,3-butadiene, 4-methyl-1,3-pentadiene, 5-methyl-1,4-hexadiene, 6-methyl-1,5-heptadiene and mixtures thereof.

9. (Original) The interpolmer of Claim 2, further comprising a PRR enhancing amount of an additional diene monomer, the additional diene monomer being selected from the group consisting of dicyclopentadiene, norbornadiene, 1,7-octadiene, and 1,9-decadiene.

Claims 10-17 (Canceled)

18. (Original) An article of manufacture having at least one portion thereof fabricated from a composition that comprises the interpolmer of Claim 1.

19. (Previously Presented) The article of Claim 18, wherein the article is selected from the group consisting of wire and cable components, electrical insulation, belts, hoses, tubes, gaskets, membranes, molded goods, extruded parts, automotive parts, adhesives, tire walls and tires.

20. (Original) The article of Claim 18, wherein the composition further comprises at least one additive selected from the group consisting of fillers, fibers, plasticizers, oils, colorants, stabilizers, foaming agents, retarders, accelerators, and cross-linking agents.

21. (Original) An polymer blend composition, the composition comprising more than 50 parts by weight of a crystalline polyolefin resin and less than 50 parts by weight of the interpolymers of Claim 1, the total amount of crystalline polyolefin resin and interpolymers being 100 parts by weight.

22. (Previously Presented) A thermoplastic vulcanizate composition, the composition comprising from 60 to less than 10 parts by weight of a crystalline polyolefin resin, and from 40 to more than 90 parts by weight of the interpolymers of Claim 1, and wherein the interpolymers are at least partially cross-linked, such that the composition has a gel content of at least 70 %, based on interpolymers weight, and wherein the total amount of crystalline polyolefin resin and interpolymers being 100 parts by weight.

23. (Currently Amended) The composition of Claim 21, wherein the crystalline polyolefin resin is one of the following: a polypropylene homopolymer; a copolymer of propylene with an α -olefin selected from the group consisting of ethylene, 1-butene, 1-pentene, 1-hexene, 1-octene, 2-methyl-1-propene or 4-methyl-1-pentene; or a blend of a polypropylene homopolymer and a propylene/ α -olefin copolymer or a mixture thereof.

24. (Currently Amended) The composition of Claim 23, wherein the crystalline polyolefin resin is a copolymer of propylene and ethylene, or a blend of a propylene homopolymer and a propylene/ethylene copolymer ~~an α -olefin-ethylene~~.

25. (Canceled)

26. (Currently Amended) The composition of Claim 22, wherein the crystalline polyolefin resin is one of the following: a polypropylene homopolymer; a copolymer

of propylene with an α -olefin selected from the group consisting of ethylene, 1-butene, 1-pentene, 1-hexene, 1-octene, 2-methyl-1-propene or 4-methyl-1-pentene; or a blend of a polypropylene homopolymer and a propylene/ α -olefin copolymer ~~or a mixture thereof~~.

27. (Currently Amended) The composition of Claim 26, wherein the crystalline polyolefin resin is a copolymer of propylene and ethylene, or a blend of a propylene homopolymer and a propylene/ethylene copolymer ~~α -olefin is ethylene.~~

28. (Previously Presented) The ethylene/ α -olefin interpolymers of Claim 1, wherein the interpolymers are prepared in the presence of at least one constrained geometry metal complex.

29. (Previously Presented) The ethylene/ α -olefin interpolymers of Claim 1, wherein the interpolymers have polymerized therein ethylene, at least one α -olefin monomer, and at least one diene monomer.

30. (Currently Amended) An article of manufacture comprising at least one component fabricated from the composition of Claim 21 ~~Claims 21~~.

31. (Currently Amended) An article of manufacture comprising at least one component fabricated from the composition of Claim 22 ~~Claims 22~~.

32. (Previously Presented) An article of manufacture comprising at least one component fabricated from a composition that comprises the interpolymers of Claim 28.

33. (Previously Presented) An article of manufacture comprising at least one component fabricated from a composition that comprises the interpolymers of Claim 29.

34. (New) A composition comprising the ethylene/ α -olefin interpolymer of Claim 1.

35. (New) The composition of Claim 34, wherein the ethylene/ α -olefin is characterized by a Processing Rheology Ratio (PRR) from 8 to 150.

36. (New) The composition of Claim 35, further comprising a polypropylene homopolymer, a propylene/ α -olefin copolymer, or a combination thereof.